



Engineering Services Monthly Report on Roads, Traffic, Water and Sewer Projects: City Council Meeting – August 4, 2009

Engineering Services Department - General

1. **Dallas Regional Mobility Coalition (DRMC)** – The DRMC did not hold their monthly meeting for July.

The next meeting of the Dallas Regional Mobility Coalition is scheduled for Friday, August 7, 2009 at the Dallas County Health and Human Services Building.

2. **North Central Texas Council of Governments (NCTCOG)** – Mayor Maso is the City's representative on the NCTCOG's Regional Transportation Council (RTC), also representing the cities of Allen, Prosper and Lucas; the City also has a representative on the NCTCOG Surface Transportation Technical Committee (STTC) each month to represent the City's interest in local and regional transportation issues. Staff also attends the RTC meetings each month to support the Mayor and the cities of Frisco / Allen / Prosper / Lucas in this effort.

- A. **Regional Transportation Council (RTC)** – Mayor Maso attended the July 16, 2009 RTC Meeting, held in Arlington, Texas at the Regional Transportation Council Board Room. Action items on the meeting agenda included the following:

- **Agenda Item Number 2.1, Heavy-Duty Vehicle and Equipment Grant Program Call for Projects – *Background:*** The NCTCOG was awarded \$10 million from the Texas Commission on Environmental Quality (TCEQ) through the Texas Emissions Reduction Program (TERP). NCTCOG Staff recommended to the RTC that these funds be paired with \$666,000.00 in United States Environmental Protection Agency (EPA) funds remaining from the NCTCOG Diesel Idle Reduction Program Call for Projects to administer one (1) single Call for Projects. The proposed Call (referred to as the Heavy-Duty Vehicle and Equipment Grant Program) will focus on three (3) major areas: (a) local government, (b) construction equipment and (c) idle reduction projects. The program dedicates \$5 million to local government projects, with a minimum of \$666,000.00 reserved for long-haul, idle-reduction

projects. The Call is proposed to commence on July 20, 2009 and funding is to be awarded on a first-come basis. **Requested Action:** NCTCOG Staff requests the RTC to consider and act upon approval to implement the Heavy-Duty Vehicle and Equipment Grant Program Call for Projects.

- Agenda Item Number 2.2, North Central Texas Clean School Bus Call for Projects – **Background:** NCTCOG received \$200,000.00 from the EPA through the Blue Skyways Collaborative and \$577,766.00 from the TCEQ through the Supplemental Environmental Project (SEP) Program with which to administer a North Central Texas Clean School Bus Program Call for Projects. The 2009 Call was issued in February 2009 with a proposal deadline of April 17, 2009. NCTCOG Staff recommends funding for eight (8) school districts to replace a total of twenty-one (21) school buses with lower-emissions buses. **Requested Action:** NCTCOG Staff requested that the RTC consider and approve staff recommendations for funding under the North Central Texas Clean School Bus Program Call for Projects.
- Agenda Item Number 2.3, 2008-2011 Transportation Improvement Program Modifications and Regional Transportation Council Resolution for Regional Toll Revenue Projects Modifications – **Background:** The recommended modifications and administrative amendments have been reviewed for consistency with the air quality conformity determination and financial constraint of the TIP. STTC reviewed and recommended RTC approval of the revisions at their June meeting. **Requested Action:** NCTCOG Staff requested RTC consideration and approval of the recommended revisions to the 2008-2011 TIP.
- Agenda Item Number 2.4, FY2010 and FY2011 Unified Planning Work Program – **Background:** NCTCOG Staff, in cooperation with local governments and transportation agencies, has developed the FY2010 and FY 2011 Unified Planning Work Program (UPWP). This document identifies NCTCOG staff work activities to be performed between October 1, 2009 and September 30, 2011. The draft document has been sent to TxDOT for review, information on the draft was presented at the June 8 and 9th Public Meetings and STTC reviewed and recommended RTC approval of the UPWP at their June meeting. **Requested Action:** NCTCOG Staff requested RTC consideration and approval of the FY2010 and FY2011 UPWP.
- Agenda Item Number 2.5, American Recovery and Reinvestment Act: Environmental Protection Agency Projects – **Background:** EPA has announced funding recommendations related to proposals submitted

by NCTCOG under the American Recovery and Reinvestment Act (ARRA) of 2009. NCTCOG was awarded partial funds for two (2) of the twelve (12) proposals, totaling approximately \$3.7 Million. In addition, information on the status of projects submitted to the United States Department of Energy (DOE) for clean vehicle and infrastructure funding was provided. **Requested Action:** NCTCOG Staff requested RTC consideration and approval of selected projects to be awarded with partial funding received from the United States EPA.

- Agenda Item Number 4, Approval to Proceed with the Sale of Carbon Dioxide Emission Credits from Revenue from Non-Transportation Revenue Sources – **Background:** NCTCOG Staff has been looking into an opportunity to bring more funding to the region for traffic signal retiming by selling carbon dioxide credits to a non-profit organization whose mission is to promote climate change solutions by financing high-quality greenhouse gas offset projects. Currently, the life expectancy for traffic signal retiming projects within the region is estimated to be three (3) years. By accepting credits for these traffic signal retiming projects the region would only be committing to this for a three (3) year time period in return for funding to improve traffic signal retiming. **Requested Action:** NCTCOG Staff requested RTC consideration and approval of authorization for NCTCOG Staff to proceed with a proposal to sell carbon dioxide credits (in the amount of \$2 Million) for unfunded traffic signal retiming projects within the Dallas-Fort Worth Region.

Information items placed on the meeting agenda included the following items:

- Agenda Item Number 3, Orientation to Agenda / Director of Transportation Report – **Background:** NCTCOG Director of Transportation Michael Morris reviewed the following items with the RTC: (1) Recognition of Senator John Carona for his leadership on Transportation; (2) Recognition of Linda Koop, Vice-Chair, Texas Local Option Transportation Act (TLOTA); (3) August RTC Meeting Time of Day Options; (4) Travel Demand Management Performance Measures; (5) Texas Department of Transportation Project Delays in FY20101 Letting Schedule; (6) June Public Meeting Minutes; (7) Tower 55 Public Meeting Flyer; (8) RTC Responsibilities: Subcommittees, Workshops and Training / RTC Orientation / Finance 101 / Overview of Funding Sources and Methodologies; (9) Information on Regional Toll Revenue Funds; (10) Air North Texas Television and Radio Ads; (11) 2009 Ozone Season; (12) AirCheck Texas Program Status; (13) Hurst-Euless-Bedford (HEB) Transit Year 2 Progress Report; (14) Recent News Articles; (15) Recent Correspondence; (16) Special Legislative

Session; (17) Summary of Transportation Legislation Passed by the 81st Texas Legislature; (18) Collin County Committee on Aging (CCCoA) / Collin County Area Regional Transit (CCART) Status Report; (19) Conversations with the NTTA, TxDOT, Dallas County and Kaufman County regarding Lawson Road; NTTA Monthly Corridor Status Report.

- Agenda Item Number 5, American Recovery and Reinvestment Act Update and \$1.5B Discretionary Project Submittal – **Background:** Since enactment in February 2009, the American Recovery and Reinvestment Act (ARRA) of 2009 programs and projects have proceeded quickly. NCTCOG Staff briefed the RTC on the status of projects selected with funding from ARRA and discussed plans for future grant applications being coordinated under the \$1.5 Billion federal Transportation Investment Generating Economic Recovery (TIGER) Discretionary Grant Program and High Speed Rail Programs. NCTCOG Staff discussed the status of economic recovery funds and upcoming funding opportunities.

- Agenda Item Number 6, Public Agency Policy for Construction Equipment – **Background:** Construction equipment emissions are a significant source of nitrogen oxides (NOx) in the nine (9) county ozone non-attainment area. NCTCOG Staff has been investigating strategies to reduce emissions from this sector through the development of a Public Agency Policy for Construction Equipment (Construction Policy) which was included as a Voluntary Mobile Emissions Reduction Program in the approved State Implementation Plan (SIP). Once finalized and approved by the RTC, the Construction Policy will be available for adoption by local governments on a voluntary basis. NCTCOG Staff provided the RTC an update on the development of a Public Agency Policy for Construction Equipment.

- Agenda Item Number 7, Statewide Transportation Finance Implications – **Background:** Over the past year a workgroup comprised of Metropolitan Planning Organizations (MPO) and TxDOT staff from around the state have been focused on developing the revenue forecasting model, TRENDS, and using this model to develop estimates of future State and federal transportation revenues. Several factors including population growth, Corporate Average Fuel Economy (CAFÉ) standards and vehicle turnover play a key role in these forecasts. NCTCOG Staff provided the RTC an update on these efforts to develop a transportation revenue forecasting model and future revenue forecasts.

- Agenda Item Number 8, Regional Outer Loop – **Background:** NCTCOG Staff has been studying potential corridors for the 240-mile Regional Outer Loop. This study is being developed in coordination with TxDOT. NCTCOG Staff provided an update to the RTC on the status of the study and relevant information developed to date regarding the Regional Outer Loop.

The next meeting of the Regional Transportation Council is scheduled for Thursday, August 13, 2009 at 1:00 p.m. at the North Central Texas Council of Governments.

- B. **Surface Transportation Technical Committee (STTC)** – John Eaglen attended the June 26, 2009 meeting, held in Arlington, Texas at the Regional Transportation Council Board Room. Action items on the meeting agenda included the following:

- Agenda Item Number 2.1, FY 2010 and FY 2011 Unified Planning Work Program – **Background:** Background for this agenda item is provided under the RTC Meeting Agenda summary. **Requested Action:** NCTCOG Staff requested the Committee to consider and approve a recommendation to the RTC for approval of the FY 2010 and FY 2011 Unified Planning Work Program (UPWP). **Result:** **The Committee unanimously approved a recommendation to the RTC to approve the NCTCOG Staff recommendation.**
- Agenda Item Number 2.2, 2008-2011 Transportation Improvement Program Modifications – **Background:** Background for this agenda item is provided under the RTC Meeting Agenda summary. **Requested Action:** NCTCOG Staff requested the Committee to consider and approve a recommendation to the RTC for approval of revisions to the 2008-2011 Transportation Improvement Program (TIP). **Result:** **The Committee unanimously approved a recommendation to the RTC for approval of the NCTCOG Staff recommendation.**
- Agenda Item Number 2.3, Clean School Bus Program Call for Projects Recommendations – **Background:** Background for this agenda item is provided under the RTC Meeting Agenda summary. **Requested Action:** NCTCOG Staff requested the Committee to approve a recommendation to the RTC to consider and approve the 2009 Call for Projects, with funding allocated to eight (8) school districts and to replace twenty-one (21) high-emitting school buses with lower-emitting school buses. **Result:** **The Committee unanimously approved a recommendation to the RTC for approval of the NCTCOG Staff recommendation.**

- Agenda Item Number 2.4, Heavy-Duty Vehicle and Equipment Grant Program Call for Projects – **Background:** Background for this agenda item is provided under the RTC Meeting Agenda summary. **Requested Action:** NCTCOG Staff requested the Committee to approve a recommendation to the RTC to consider and approve the NCTCOG Staff to administer the Heavy-Duty Vehicle and Equipment Grant Program Call for Projects. **Result:** **The Committee unanimously approved a recommendation to the RTC for approval of the NCTCOG Staff recommendation.**
- Agenda Item Number 2.5, Approval to proceed with the Sell of Carbon Dioxide Emission Credits from Revenue from Non-Transportation Revenue Sources – **Background:** Background for this agenda item is provided under the RTC Meeting Agenda summary. **Requested Action:** NCTCOG Staff requested the Committee to approve a recommendation to the RTC to consider and approve the NCTCOG Staff recommendation to proceed with a proposal to sell carbon dioxide credits (in the amount of \$2,000,000.00) for unfunded traffic signal re-timing projects within the Dallas-Fort Worth Region. **Result:** **The Committee unanimously approved a recommendation to the RTC for approval of the NCTCOG Staff recommendation.**
- Agenda Item Number 7, American Recovery and Reinvestment Act Update and \$1.5B Discretionary Project Submittal – **Background:** Background for this agenda item is provided under the RTC Meeting Agenda summary. **Requested Action:** NCTCOG Staff requested the Committee to approve a recommendation to the RTC to consider and approve the selected projects to be awarded with partial funding received from the EPA ARRA funds. **Result:** **The Committee unanimously approved a recommendation to the RTC for approval of the NCTCOG Staff recommendation.**

Information items placed on the meeting agenda include the following items:

- Agenda Item Number 3, Surface Transportation Technical Committee Officers – **Result:** According to the RTC Bylaws and Operating Procedures, the Executive Board of the NCTCOG annually designates a Chair, Vice-Chair and Secretary for the Committee; the term begins in June and the term length is one (1) year. NCTCOG Staff briefed the Committee on the officers for the 2009-2010 term and announced the recently elected RTC Officers for the 2009-2010 term.

- Agenda Item Number 4, Approval of Financial Approach for Southwest Parkway / Union Pacific Rail Road Agreement – **Result:** In January 2009 the City of Fort Worth, NTTA, TxDOT and UPRR entered into an agreement regarding the parties' respective responsibilities related to Southwest Parkway and the UPRR Davidson Yard. The City of Fort Worth and NTTA have a \$95 million commitment to pay certain UPRR costs primarily on a cost reimbursement basis. The City and NTTA need to demonstrate their ability to fund this commitment by June 17, 2009 or UPRR could exercise its termination rights. NTTA, TxDOT, the City of Fort Worth and RTC staff have developed a financial approach to meet these commitments by the necessary timeframe. NCTCOG Staff briefed the Committee on the financial approach, approved by the RTC at their May 5, 2009 meeting.
- Agenda Item Number 5, Texas Legislature Update – **Result:** The 81st Legislature adjourned on June 1, 2009; NCTCOG Staff provided the Committee a summary of action taken by the 81st Texas Legislature related to transportation legislation.
- Agenda Item Number 6, Technical Committee: Initial Ideas Regarding RTC Subcommittees – **Background:** The RTC wishes to conduct more business at the subcommittee level and there may be an opportunity to create a committee structure at the technical committee that aligns with the new subcommittee structure proposed for the RTC.
- Agenda Item Number 8, Fast Facts – **Result:** NCTCOG takes 10-15 minutes at the end of STTC Meetings to provide the NCTCOG Staff the opportunity to provide brief updates on initiatives and/or ongoing programs. The Committee was briefed on the following topics: (1) July Public Meetings Announcement; (2) Travel Demand Management Performance Measures; (3) AirCheck Texas Program Status; (4) 2009 Ozone Season; (5) Hurst-Euless-Bedford Transit Year 2 Report.

The next meeting of the Surface Transportation Technical Committee is scheduled for Friday, July 24, 2009 at 1:30 p.m. at the North Central Texas Council of Governments.

3. **Business Retention** – Staff meets monthly with the Chamber of Commerce to discuss the retention of business. The regular meeting for July was held on July 19, 2009.

Engineering Highlights – Elizabeth Metting:

- **Construction Inspections** – Construction Inspectors have 432 current projects that are at various stages of construction.
- **Pre-construction Meetings** – Staff held 2 pre-construction meetings for new projects:
 1. Frisco ISD, BIA, Lt 1 - Ag Barn
 2. SEC FM 423 & Newman Rd
- **Project Final Acceptances** – There were 15 projects accepted.
 1. Trinity Stairs, Cobb Business Park Addn
 2. Centre at Preston Ridge Ph 2, BI A, Lt 8
 3. Rejoice Lutheran Church
 4. Independence Pkwy
 5. Frisco Apartments
 6. World Cup Way - Main to Frisco Square BI
 7. Legacy Medical Plaza Ph II /7-Eleven Co
 8. NWC Coit/Rolater - Walgreens, Block A, L
 9. Lebanon Ridge Apartments, Ph 1
 10. Preston Lebanon Crossing Lt3 BI A
 11. Preston Lebanon Crossing Addn BI A Lt 6
 12. Univest Tract
 13. Panther Creek Pkwy (Teel - DNT)
 14. Eldorado Market Place Lot 12 Chase Bank
 15. Park Place Estates Ph1 (EstPlatinum Pk)

Project Reviews – Staff has completed **FIFTY (50)** engineering reviews.

STATE PROJECTS

- **FM 2478/Custer Road (Stonebridge – US 380)** – Project to widen the existing two lane road to a six lane urban roadway with curb and gutter. The project bid on January 13, 2009 with Mario Sinacola & Sons Excavating, Inc being the low bidder. Utility relocations are currently ongoing. Construction is anticipated to begin in August 2009 and is estimated to take 26 months to complete. (*Project Manager: Jason Brodigan*)

- **FM 2934/Eldorado Parkway (FM 423 – DNT)** – Project to widen the existing two lane road to a six lane urban roadway with curb and gutter. TxDOT bid the project in February 2008, and construction began in September 2008. Traffic was switched to the new concrete paving in April. Concrete paving for phase 2 (3 eastbound lanes) has begun. Construction is expected to be completed Summer 2010. Staff is attending monthly update meetings with the contractor and TxDOT. *(Project Manager: Jason Brodigan)*
- **FM 3537/Main Street (Preston Road – Custer Road)** – Project to widen the existing two lane road to a six lane urban roadway with curb and gutter. TxDOT's engineer, Civil Associates, Inc. is currently preparing revised design plans. The project is anticipated to begin ROW acquisition in Fall 2009, and utility adjustments will follow ROW acquisition. TxDOT is expected to bid the project in Summer 2010 and construction is estimated to require twenty-four (24) months. *(Project Manager: Jason Brodigan)*
- **FM 423 (SH 121 – US 380)** – Project to widen the existing two lane road to a six lane urban roadway with curb and gutter. Environmental clearance (FONSI) for the Middle and North Sections was received in July 2006, and ROW acquisition will be conducted by TxDOT in accordance with the SH 121 Memorandum of Understanding. *(Project Manager: Jason Brodigan)*
 - **North Section (Eldorado – US 380)** – Dannenbaum has provided revised 95% plans for staff and TxDOT review. Design is expected to be completed in Late 2009. The north section is scheduled to be bid by TXDOT in Summer 2010, or upon completion of ROW acquisition and utility relocation. Construction is anticipated to require 24 months.
 - **Middle Section (Stewart Creek – Eldorado)** – Jacobs has submitted final plans to TxDOT for bidding in August. Right of Way acquisition is nearly complete with only two parcels remaining for acquisition. Coordination with the utility companies continues. The middle section is scheduled to be bid by TXDOT on August 11, 2009. Construction should begin in early 2010 and is expected to require 24 months to complete.
 - **South Section (SH 121 – Stewart Creek)** – Denton County is coordinating the design of this project by Jacobs Carter Burgess working with TxDOT and The Colony. TxDOT has begun an expected lengthy right of way acquisition and utility relocation process. Currently, this project is expected to bid in Fall 2011 and is expected to require 26 months to construct, pending environmental clearance, acquisition of right-of-way, and relocation of utilities.
- **Frisco Square Boulevard Railroad Crossing** – Construction of the street connection of Frisco Square Blvd. across the railroad tracks began in September. The contractor has completed concrete paving on the project and has installed landscape pavers in the median. . The BNSF railroad completed installing the gates and crossing panels in late July. The project is expected to be completed and opened to traffic in August 2009. *(Project Manager: Toyin Fawehinmi)*

- **SH 289/Preston Road (Main Street – US 380)** – Project to widen the existing two lane road to a six lane urban roadway with curb and gutter. TxDOT bid the project in October 2008 with the low-bidder being Mario Sinicola & Sons Excavating, Inc. Franchise utility companies are currently relocating utilities. Construction of Preston Road is expected to begin in August and is estimated to take 30 months. *(Project Manager: Jason Brodigan)*
- **US 380 (Coit Road - FM 423)** – Turner, Collie & Braden has been hired by Collin and Denton Counties to study the US 380 corridor and recommend alternatives for improving mobility. A 90% schematic has been prepared from Coit to CR 26 and is currently being reviewed by TxDOT. In addition, Turner, Collie & Braden has completed a preliminary layout of US 380 from CR 26 to FM 423 for TxDOT review. *(Project Manager: Jason Brodigan)*

CITY PROJECTS:

- **20" Dallas Parkway Water Line (Stonebrook - Main) and 30" Main Street Water Line (DNT – Legacy)** – The updated scope of work includes the design of 2,500 linear feet of 24" and 9,000 linear feet of 12" water main (along the Dallas Parkway from Main to Stonebrook) City Council awarded the design contract to Camp Dresser & McKee, Inc. in June 2006. The project scope and schedule was revised due to modifications to the water line alignment based on the 2008 CIP master plan. Scope and fee of the design contract amendment is under review. Design is expected to resume in August 2009. *(Project Manager: David Chacon)*
- **30" Dallas Parkway Water Line along DNT– (Panther Creek Pkwy to Rockhill Road)** – The project has been modified to 9,500 linear feet of 30" water main along the Dallas Parkway (Panther Creek Pkwy to Rockhill Road) to serve the northern portion of the City. City Council awarded the original design contract to Jacobs Engineering Group, Inc., in August 2006. The contract amendment for the modified project limits was awarded by Council in June 2009. The completion of the design is expected in Fall 2009. *(Project Manager: David Chacon)*
- **4th Army Memorial Force Main -** A force main is under design by Schrickel, Rollins and Associates, to relieve the wastewater flow to Stewart Creek Wastewater Treatment Plant (WWTP) by pumping wastewater to the new Panther Creek WWTP. Relocation of the original alignment of the force main is proposed to avoid utility conflicts and reduce construction cost. Design is expected to be completed by September 2009. *(Project Manager: Art Hartle)*
- **City Hall Parking Garage** – Carl Walker is the consultant responsible for the design of the parking garage structure behind the city hall building. The consultant is preparing the final design for the garage. Design is anticipated to be complete in August 2009 and construction is anticipated to start in 2009. *(Project Manager: Ben Brezina)*

- **Cottonwood Creek Lift Station** – The 2008 Updated Water and Wastewater Master Plan revised the project scope to one lift station at Cottonwood Creek with a force main to the Panther Creek Interceptor, and the decommissioning of the Cottonwood Creek Wastewater Treatment Plant (WWTP). This project will divert 5 MGD (million gallons per day) of wastewater from the Cottonwood Creek drainage basin to the Panther Creek Wastewater Treatment Plant via the new Panther Creek Interceptor. The engineering services contract has been amended to reflect the change in scope. Design resumed in April 2009. *(Project Manager: Art Hartle)*
- **Dogwood Street / Meadow Lane** – This project will replace existing two asphalt streets with concrete pavement with curb and gutter. Construction began January 5, 2009. Dogwood Street has been completed and the contractor (McMahon) is currently installing street lights. The contractor is also constructing sidewalks on Meadow Lane. Construction is expected to be completed in Fall 2009. *(Project Manager: Art Hartle)*
- **Eldorado Parkway (DNT – Preston)** –Bids to widen Eldorado Pkwy to 6 lanes and to construct Frisco Street from Eldorado to Newton were opened in March 2009. The contractor (Tiseo Paving) is currently grading and moisture conditioning the subgrade. Construction is expected to be completed in Early 2011. *(Project Manager: Jason Brodigan)*
- **Eldorado Independence Intersection Improvements** – RLK Engineering designed the intersection improvements at Eldorado Pkwy and Independence Pkwy. The project includes permanent traffic signals at Eldorado and Independence; a median opening for Fire Station No.5, a westbound to northbound right turn lane on Eldorado to Independence, and two additional lanes to connect existing portions of pavement for eastbound Eldorado traffic. Sidewalk will be installed as applicable to fill in and connect to existing sidewalk. Concrete paving was completed in July. Tasks to be completed in August are permanent erosion control, striping and signing, and traffic signal testing. The project is expected to be completed for the opening of Heritage High School in August 2009. *(Project Manager: David Chacon)*
- **Eldorado Pump Station #3 Remediation Project** -Site work to date includes fill and compaction over the pump supply piping and continued placement of reinforcing steel and pouring concrete around the pump cans. Other work includes the removal and inspection of discharge piping in anticipation of the installation of beam and drilled shaft supports. The project is expected to be completed in May 2010. *(Project Manager: David Chacon)*
- **Downtown Elevated Storage Tanks and Preston 24" Water Line** –The new site, located between Shoemaker Road and Preston Road, has been selected for the downtown elevated storage tank. The design, which began in January 2009, is now approximately 80% complete. The Preston-Main elevated storage tank and the 24-inch water main along Preston Road are expected to be bid in Late 2009 and to be in operation by 2011. *(Project Manager: Art Hartle)*

- **Eubanks Street (Fifth St- BNSF RR)** – Corwin Engineering has completed the 90 % design plans for the replacement of this street with concrete paving. Construction is anticipated to begin in Early 2010 and will require six months to complete. *(Project Manager: Jason Brodigan)*
- **Frisco #1 Pump Station Expansion (Custer Road)** – This project was awarded by City Council in July 2007 and construction started in October 2007. The pump station has been issued a certificate of occupancy. Final punch list items are being addressed. Contract close out is expected in August 2009. *(Project Manager: David Chacon)*
- **Independence Parkway (SH 121 – Main)** – City Council awarded the bid for construction services to Mario Sinacola and Sons Excavating, Inc. in August 2006. The roadway is open to traffic and the contractor has completed all the change order work on this project. A final walkthrough has taken place and the contractor has completed remaining punch list items. Final acceptance of the project is anticipated in August 2009 *(Project Manager: Toyin Fawehinmi)*
- **Lebanon at Dallas North Tollway** – Kimley-Horn and Associates, Inc. is designing improvements at the intersection of Lebanon and the Dallas Parkway along Lebanon to better align the roadway with the newly constructed bridge over the DNT. Design is approximately 95% complete. Construction is anticipated to take seven months upon the completion of right of way acquisition and utility relocation. *(Project Manager: David Chacon)*
- **Lebanon Road (FM 423 – Presidents Dr.)** – Spiars Engineering designed the widening of Lebanon Road from two to four lanes (eastbound lanes). The project was awarded to Rodman Excavating and construction began in February 2008. The contractor has completed all paving work and all lanes are now open to traffic. The contractor has completed all work except for the signal work at Rock Creek Parkway. The project is expected to be completed in August 2009. *(Project Manager: Toyin Fawehinmi)*
- **Northwest Infrastructure** - Kimley-Horn and Associates, Inc. was contracted to analyze alternative alignments for water & sewer lines to serve properties near FM 423 & US 380. An analysis of alternative alignments for future Rockhill Road from FM 423 to Preston Road was also included and has been completed. Design is approximately 95% complete. Construction of the project is currently on hold pending development needs for services in this area of the City. *(Project Manager: David Chacon)*
- **Panther Creek Sewer Interceptor – (Project Manager: David Chacon)**
 - **Phase 2 (Parvin Branch)** – Design of Phase 2 is currently on hold until future development dictates need for the project. Design is approximately 90% complete. .
 - **Phase 3** – Design of Phase 3 is currently on hold until future development dictates need for the project. Design is approximately 60% complete.

- **Rockhill Road (CR26 – Preston)** – Project to construct 6 lanes from County Road 26 to Preston Road, including bridges over Parvin Branch and BNSF RR. Design of the project is approximately 50% complete and is expected to be completed in early 2010. *(Project Manager: Lori Chapin)*
- **Rolater Road (Custer - Independence)** – The Project will construct the two east bound lanes of the four lane divided roadway including a bridge over Rowlett Creek. Design of the project, by RLK Engineering, is approximately 75% complete. Construction is expected to begin in Late 2009 and require 10 months to complete. *(Project Manager: Jason Brodigan)*
- **Rolater Road 42" Water Line (Coit – Preston)** – Construction of a 42-inch steel water transmission pipeline in the median of Rolater Road began in March 2008. The contractor has completed the installation of 11,000 feet of 42-inch steel pipe. The Contractor is now working on a punch list of items found during the preliminary inspection. Construction is expected to be completed in August 2009. *(Project Manager: Art Hartle)*
- **Selected Old Town Streets (1st, 3rd, 4th, 6th, Pecan, and Hickory)** – City Council awarded the bid for construction services to Jim Bowman Construction in November 2006. The contractor has completed all of the street paving and is completing punch list items prior to the City's final acceptance. *(Project Manager: Jason Brodigan)*
- **Stonebrook Parkway (Legacy – Longhorn)** –Project to construct the four lane roadway including a bridge over Stewart Creek as well as an underpass for the BNSF railroad is under design by HNTB. Design is approximately 95% complete. Coordination with the US Corps of Engineers is ongoing. Construction is expected to begin in Summer 2010. *(Project Manager: Jason Brodigan)*
- **Stonebrook Parkway (FM 423 – 4th Army Memorial)** –Project to construct the four lane roadway between FM 423 and Teel and to widen from two to four lanes from Teel to 4th Army is under design by Huitt Zollars. Design is expected to be completed in Late 2009 with construction expected to be completed by Late 2010. *(Project Manager: Jason Brodigan)*
- **Stonebrook Parkway (Dallas Parkway– Preston)** – The project will replace two westbound lanes with three reconstructed lanes and includes the installation of a 36-inch water line. CH2M Hill is approximately 90% complete with the design. Construction is expected to begin in Early 2010 and will take approximately 14 months to complete. *(Project Manager: Art Hartle)*
- **Teel Parkway (Panther Creek Parkway - North of Little River)** – Project to construct the two northbound lanes widening the roadway to four lanes. This project is jointly funded by FISD. Construction began in May 2008. Rodman Excavating has completed the paving and the roadway is open to traffic. The contractor is currently working on final grading, sidewalk, and irrigation. The project is expected to be complete in August. *(Project Manager: Jason Brodigan)*

- **Teel Parkway (Eldorado Parkway – Freestone)** - Project to construct the two northbound lanes completing the four lane roadway. Design of the project has commenced and is expected to be completed in Summer 2009. Construction is expected to be completed in conjunction with the completion of Eldorado Parkway. (*Project Manager: Jason Brodigan*)
- **West Frisco Wastewater Improvements** – Construction began in March 2007, by Oscar Renda Contracting, for improvements to the Trails, Fairways, and Grayhawk Lift Stations and the construction of a new force main to the Panther Creek Wastewater Treatment Plant. Wastewater began pumping north to the Panther Creek Wastewater Treatment Plant from the Grayhawk Lift Station in April 2008. The Fairways Lift Station flow was redirected to Panther Creek WWTP in June 2008, and the Trails Lift Station flow was redirected in July 2008. A preliminary inspection of the project was held in May 2009. The contractor is currently working on the punch list items to complete the project. (*Project Manager: Art Hartle*)

Transportation Highlights – Brian Moen:

- **Development/CIP Plan Reviews** – Staff reviewed 38 sets of development and CIP plans and two traffic impact analyses this month. Staff also reviewed and processed two TxDOT driveway permit applications.
- **SH 121 and DNT Tollway Construction** – Staff has been reviewing NTTA's plans for the construction of a full interchange at SH 121 and the Dallas North Tollway (including direct-connect ramps in all directions). Staff submitted detailed comments on the 60% plans back to NTTA's engineer in May.
- **Internally Lit Street Name (ILSN) Signs** – Staff will be preparing additional analysis for TxDOT to review in conjunction with our request to add Illuminated Street Name Signs on Preston Road and Custer Road. This analysis will be complete in July and submitted to TxDOT for approval. Once the analysis is approved by TxDOT, it will take approximately 8 to 12 weeks to have the signs fabricated and installed.
- **Citizen Inquiries** – Staff has responded to several citizen inquiries that came into the department by telephone, email, and the Message Board on the City website.
- **Miscellaneous Traffic Studies** – Staff continues to update the crash database (based on police reports) and is in the process of purchasing new software to facilitate crash analysis of intersections. Staff is in the process of conducting speed studies on various thoroughfares to determine if posted speed limits need to be adjusted (each thoroughfare is studied every two or three years). Staff conducted one neighborhood speed study and two stop sign warrant studies at the request of citizens.
- **Quiet Zone Project** – Quiet Zone approval from the Federal Railroad Administration (FRA) is on hold until crossing improvements are complete at Frisco Square Blvd. In addition, the City will need to secure an alternative

access to the sewage treatment plant near the DNT railroad crossings to remove the current railroad crossing serving this site. Staff expects these improvements to be complete allowing a Quiet Zone to be established in the first quarter of 2010.

- **School Zones** – Staff meets monthly with representatives of FISD to discuss any school zone, crossing guard, or sidewalk issues. Staff is in the process of installing a bike lane/pedestrian way on the pavement of Beacon Hill Drive and Indigo Sky Drive in Lone Star Ranch due to the lack of sidewalks on the route to Bledsoe Elementary. Staff is developing a plan to install guide signs on city arterials that would direct motorists to each school campus. This month, staff oversaw the installation of new reduced-speed school zones for the new Heritage High School and Allen Elementary School campuses. Staff is designing the layout and installation of new signs at the entrances to all school zones in the City to comply with the newly passed state law that prohibits hand-held cell phone use in school zones. House Bill 55 modifies the Transportation Code to prohibit the use of hand-held cell phones in school zones except in the case of emergency calls or use by emergency personnel. The law goes into effect on September 1, 2009 and supersedes any ordinance a municipality may have regarding cell phones in school zones.
- **Special Events** – As part of the Special Events Review Committee, staff helps review all pending special event applications for any traffic control needs. Staff continually coordinates with Pizza Hut Park, the Police Department, the Fire Department, and NTTA regarding events at Pizza Hut Park. This month, staff planned road closures and provided traffic management support for Freedom Fest, Rockstravaganza in Downtown, and Columbian Fest in Frisco Square.
- **Staff** – The Department is still searching for a qualified candidate to fill our remaining vacant senior transportation engineer position.
- **Thoroughfare Standards Ordinance** – Staff is currently editing a draft update to the Thoroughfare Standards Ordinance based upon ongoing research as well as coordination with other departments. Staff was involved in the rewrite of the Subdivision Ordinance with Planning Staff to ensure the two documents do not overlap or conflict with each other. This month, staff submitted the draft document to a technical committee which includes traffic engineering consultants and members of the Frisco Developers Council for their review. Their comments are due back at the end of July and staff will meet with them to discuss the draft in early August. Staff expects to give a draft of the new Thoroughfare Standards Ordinance to the Planning & Zoning Commission in August, and the City Council in September 2009.
- **Traffic Count Map** – The traffic count map is available on the City's website at maps.friscotexas.gov. It provides daily traffic volume counts (and the date of each count) on multiple segments of every major roadway. Staff is currently overseeing the collection of new 2009 traffic count data to update certain segments on the traffic count map.

- **Traffic Control** – Each month, staff designs the installation of new and/or replacement signs and pavement markings as needed. Each month, staff reviews the traffic control plans for new and ongoing construction zones. Staff is coordinating with TxDOT on major detours and weekend closures of sections of Eldorado Parkway during the widening project. This month, staff developed a temporary lane assignment striping plan for Eldorado Parkway east and west of Dallas Parkway to accommodate the shift in traffic while the TxDOT contractor paves the south half of the new roadway. The installation of this work zone prompted a discussion with NTTA regarding the use of left-turn signs and pavement markings in advance of frontage road intersections along NTTA facilities. NTTA is currently undertaking various measures in order to minimize the possibility of drivers entering the Dallas North Tollway going the wrong way after two crashes of this type occurred on the Tollway main lanes in the last few months. Current signing and striping procedures at these intersections do not violate the Manual on Uniform Traffic Control Devices and it is difficult to engineer for intoxicated drivers; however, we agreed to remove the signs and pavement markings at Eldorado Parkway while discussions continue. NTTA is going to meet with Frisco and other cities along their facilities so that we all can agree on a standard method of signing and striping these frontage road intersections.

- **Traffic Signal Construction**
 - 1) **Eldorado / Frisco St** – Plans are complete. Signal will be constructed with the Eldorado Pkwy widening project between DNT and Preston Rd.
 - 2) **Eldorado / North County** – Plans are complete. Signal will be constructed with the Eldorado Pkwy widening project between DNT and Preston Rd.
 - 3) **Eldorado / Rogers** – Plans are complete. Signal will be constructed with the Eldorado Pkwy widening project between DNT and Preston Rd.
 - 4) **Legacy / Town and Country** – Construction of this signal was bid in early June 2009. The construction contract was awarded in July. Construction is expected to begin by August 2009.
 - 5) **Independence / Eldorado** – Construction of this signal began in June and will be completed along with the intersection improvements which are underway. The signal will be operational before school starts in August.
 - 6) **Custer Road / Custer Bridges (Target)** – Staff has completed the review of this signal design. TxDOT approved the plans this month. Target and the Custer Bridges development will fund the construction of this signal. The timing and maintenance of the signal will be turned over to the City of Frisco by agreement with the City of McKinney so the signal can be coordinated with signals to the north maintained by the City of Frisco.

- 7) **FM 423 / Stonebrook** – Denton County is funding the construction of this traffic signal. This signal is currently under design by DeShazo Tang Associates and is expected to be operational in November 2009.
 - 8) **Legacy / Allen Elementary** – Construction began in June and the signal will be operational adjacent to the school before it opens in August 2009.
 - 9) **US 380 / La Cima** – TxDOT constructed this traffic signal on our northern border with Prosper. An agreement will be on the August 4th Council agenda wherein Frisco will agree to take over operation and maintenance of this signal from TxDOT. The signal will be activated after the agreement is executed.
- **Traffic Signal System Communications** – The system provides communications to all of the traffic signals in the City, allowing staff to monitor and control their operation remotely. Staff can also view the traffic detection cameras at most of the traffic signals, as well as six PTZ traffic cameras that can be controlled remotely. Staff maintains a database to track citizen complaints about traffic signals and what adjustments have been made. Staff is currently in the process of upgrading the firmware on all of the traffic signal controllers. This month staff used the system to monitor and remotely control traffic signals when an incident on US 380 caused all westbound highway traffic to detour through Frisco on Preston Road, Eldorado Parkway, and FM 423 for over six hours.
 - **Traffic Signal Timing** – DKS Associates was hired in June to provide signal timing services using NCTCOG funds. DKS will retime Main Street (FM 423 to Custer), Dallas Parkway (Gaylord to Eldorado), Preston Road (Gaylord to US 380), and Warren Parkway (Legacy to Preston). Work is expected to begin this Fall with new timings implemented on these corridors by early Spring 2010. On an ongoing basis, staff changes the operation of various traffic signals along Eldorado Parkway to coincide with TxDOT closures as part of the widening project.
 - **Training and Conference Attendance** – Staff attends the monthly local meetings of the Texas District of the Institute of Transportation Engineers (TexITE). Joel Fitts is currently an officer of the Greater Dallas Section of TexITE and Brian Moen represents Greater Dallas on the Statewide Board of TexITE. Staff successfully petitioned to have the Statewide TexITE conference held in Frisco in January 2010 and is working on the arrangements. Brian Moen has accepted a nomination to run for the Secretary/Treasurer of the Statewide TexITE organization. Tracy Nichols is currently the president of the Southwestern Section of the International Municipal Signal Association and this month was given their 2009 Outstanding Member Award.
 - **Truck Route Ordinance** – City Council approved the new comprehensive truck route ordinance in early September 2008. Staff has created a plan for the installation of truck route signs along the newly established routes that will

guide trucks through the City. Staff has coordinated with TxDOT for the installation of truck route signs on TxDOT roadways and has created plans for the installation (or modification) of No Truck signs in strategic locations in the City to prohibit trucks from leaving the designated routes. The installation of these signs has been postponed to next fiscal year due to budget constraints.

- **Traffic Signal Maintenance** - The City of Frisco currently operates and maintains 70 traffic signals within the City of Frisco. City crews provide on-call maintenance 7 days per week with a 45 minute response time.

A significant part of traffic signal maintenance relates to the 266 video cameras used to detect vehicles at each signal. Currently, 100% of the video detection is fully operational. Maintaining this video detection has become easier with the citywide communication system because diagnosing and troubleshooting detection issues can now be performed from our central control center.

This month city crews responded to an accident at US 380 and Dallas Parkway which damaged one of the signal poles. City crews helped route traffic around the closure of US 380 and oversaw the installation of a temporary span-wire replacement for the damaged signal pole.

Beyond responding to items that need to be repaired, city crews perform regular preventative maintenance on traffic signal equipment each month. This includes testing of each traffic signal's video detection cameras, "conflict monitor" equipment, and Opticom equipment (which provides emergency vehicle preemption of the traffic signal). In addition, city crews are in the process of re-wiring some traffic signals to standardize the phase wiring pattern at all traffic signals citywide. This month, city crews finished the process of installing battery backup power equipment at 26 traffic signals (which brings the total number of signals with battery backup to 58).

City crews also operate and maintain 105 school zone flashers, two pedestrian crossing flashers, and one special event sign flasher. This month, city crews relocated one school zone flasher and installed the four newest flashers as part of the implementation of school zones for new schools opening in August.

- **Roadway Lighting Maintenance** - City crews performed lighting repairs at several locations during the month.

Total lamp poles maintained	1643
Total lamp fixtures maintained	2704
Number of locations maintained in the last 30 days	86
Citywide lighting fully operational	99%

